AMENDMENTS TO THE CLAIMS

1-2   (canceled)

3. (new) An optical disk comprising:

a recording region having a plurality of sectors;

wherein said plurality of sectors are assigned sequentially numbered addresses using binary digits;

a logical track, as a unit for an access operation, is formed by no more and no less than 2^n sectors; and

a sector number of each of said sectors within the logical track is given in a field for the addresses by using no more and no less than n binary digits, where n is an integer greater than 1.

4. (new) An optical disk drive for use with an optical disk that includes a recording region having a plurality of sectors;

wherein the plurality of sectors in the recording region are assigned sequentially numbered addresses using binary digits, wherein a logical track, as a unit for an access operation, is formed by no more and no less than 2^n sectors, and wherein a sector number of each of said sectors within the logical track is given in a field for the addresses by using no more and no less than n binary digits, where n is an integer greater than 1; and

the optical disk drive device determines a logical track

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address for sectors by extracting a predetermined number of bits from a beginning of the address associated with each sector, and determines an order of sectors in a logical track by extracting said n binary digits just following the predetermined number of bits.